

CASE STUDY

THE UNIVERSITY OF CAMBRIDGE



HEADLINES

LARGE

solar array for the University of Cambridge's new 150-hectare district

NEARLY
1,500

solar panels installed by G&H of a total 5,000 across the first phase

298,000 KWH

of energy saved annually from the 1,500 panels installed by G&H

HELPING

the scheme seek a BREEAM 'Excellent' and Code for Sustainable Homes Level 5

HOW WE DID IT

We were appointed by Imtech Engineering, which was working for the contractor BAM Construction on two construction lots of eight in the first phase of the North West Cambridge Development

The University of Cambridge took the opportunity to affect the built environment for its new 150-hectare district and encourage sustainability throughout as it seeks a BREEAM Excellent and Code for Sustainable Homes Level 5.

To help achieve this, we designed and installed a large solar panel array with nearly 1,500 panels fitted on 12 units in lots 1 and 3. Across the wider development 5,000 panels have been installed in the first phase of development.

For lots 1 and 3, we managed the entire process from design, supply and installation to complying with building and planning regulations.

The North West Cambridge Development is a new, 150-hectare district and one of the largest capital projects in the University of Cambridge's history.

When completed, it will provide 1,500 affordable homes for university and college staff, 1,500 houses for private sale, accommodation for 2,000 graduates, and 100,000 sqm of academic and research space.

To give context to the scale of the development, there will also be a primary school, health centre, hotel, care home, sports centre, public open spaces, supermarket and local shops.

Solar was ideally suited to the large roof top arrays and plays a key role in the development's long-term energy reduction strategy, significantly reducing its carbon footprint and energy bills.

Of the G&H installed PV, the end result is that the 373kW array will cut energy use by over 298,000kWh.

KEY FACTS

Project title: North West Cambridge Development
Location: Cambridge
Services: Solar PV system analysis, design, supply and installation

Client: The University of Cambridge
Contractor: BAM Construction
Divisions: G&H Building Services

KEY CONTACT

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